What is claimed:

1.   A device for managing network traffic flow, the device comprising:

a processor, the processor configured to

5   receive network traffic content,

determine whether a protocol of the network traffic content matches

a prescribed protocol of network traffic content that could contain content

desired to be detected, and

store the network traffic content in a stack when the protocol of the

10   network traffic content matches the prescribed protocol.

2.   The device of claim 1, wherein the processor comprises a general

purpose processor.

15   3.   The device of claim 1, wherein the special purpose processor comprises

an ASIC processor.

4.   The device of claim 3, wherein the ASIC processor is a semi-custom ASIC

processor.

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5.   The device of claim 3, wherein the ASIC processor is a programmable

ASIC processor.

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6. The device of claim 1, wherein the processor is further configured to send the network traffic content to a user when the protocol of the network traffic content does not match the prescribed protocol.

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7. The device of claim 1, further comprising the stack.

8. The device of claim 7, wherein the stack is implemented in the processor or in another processor.

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9. The device of claim 8, wherein the stack is configured to store network traffic content in accordance with the protocol of the network traffic content.

10. The device of claim 1, further comprising a memory;

15   wherein the processor is further configured to

                    send at least a portion of the network traffic content to the memory

            when the protocol of the network traffic content matches the prescribed

            protocol,

                    send a copy of the network traffic content to a module, the module

20   configured to determine whether the network traffic content contains

            content desired to be detected, and

assemble the at least a portion of the network traffic content with

the rest of the network traffic content, and transmit the network traffic

content to a user when it is determined that the network traffic content

does not contain the content desired to be detected.

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11.   The device of claim 10, further comprising the module.

12.   The device of claim 11, wherein the module is implemented in the

processor.

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13.   The device of claim 11, wherein the module is implemented in an ASIC

processor.

14.   The device of claim 1, further comprising a memory;

15   wherein the processor is further configured to

           flag the network traffic content when the protocol of the network

    traffic content matches the prescribed protocol,

           send the flagged network traffic content to the memory,

           send a copy of the network traffic content to a module, the module

20   configured to determine whether the network traffic content contain

    content desired to be detected, and

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transmit the network traffic content to a user when it is determined

that the network traffic content does not contain the content desired to be

detected.

5   15.   The device of claim 14, further comprising the module.

16.   The device of claim 15, wherein the module is implemented in the

processor.

10   17.   The device of claim 15, wherein the module is implemented in an ASIC

processor.

18.   The device of claim 1, wherein the content desired to be detected is

selected from the group consisting of a virus, a worm, a web content, a Trojan

15   agent, an email spam, and a packet transmitted by a hacker.

19.   A method for managing network traffic flow, the method comprising:

receiving network traffic content;

determining whether a protocol of the network traffic content matches with

20   a prescribed protocol of network traffic content that could contain content desired

to be detected; and .

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storing the network traffic content in a stack when the protocol of the

network traffic content matches the prescribed protocol.

20.   The method of claim 19, wherein the network traffic content is stored in

5   the stack in accordance with the protocol of the network traffic content.

21.   The method of claim 19, further comprising:

sending at least a portion of the network traffic content to a memory when

the protocol of the network traffic content matches the prescribed protocol;

10   sending a copy of the network traffic content to a module, the module

configured to determine whether the network traffic content contain content

desired to be detected, and

assembling the at least a portion of the network traffic content with the rest

of the network traffic content, and sending the network traffic content to a user

15   when it is determined that the network traffic content does not contain the content

desired to be detected.

22.   The method of claim 19, further comprising:

flagging the network traffic content when the protocol of the network traffic

20   content matches the prescribed protocol;

storing the flagged network traffic content in a memory;

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sending a copy of the network traffic content to a module, the module

configured to determine whether the network traffic content contain content

desired to be detected, and

transmitting the network traffic content to a user when it is determined that

5   the network traffic content does not contain the content desired to be detected.

23.   A device for managing network traffic flow, the device comprising:

a first processor, the first processor configured to

receive network traffic content,

10   send at least a portion of the network traffic content to a memory,

and

send a copy of the network traffic content to a second processor,

the second processor configured to determine whether the network traffic

content contains content desired to be detected.

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24.   The device of claim 23, wherein the first processor is further configured to

assemble the at least a portion of the network traffic content with the rest of the

network traffic content, and cause the network traffic content to be transmitted to

a user when it is determined that the network traffic content does not contain the

20   content desired to be detected.

25.   A method for managing network traffic flow, the method comprising:

receiving network traffic content;

storing at least a portion of the network traffic content to a memory; and

sending a copy of the network traffic content to a processor, the processor

configured to determine whether the network traffic content contains content

5   desired to be detected.

26.   The method of claim 25, further comprising assembling the at least a

portion of the network traffic content with the rest of the network traffic content,

and transmitting the network traffic content to a user when it is determined that

10   the network traffic content does not contain the content desired to be detected.

27.   A device for managing network traffic flow, the device comprising:

a first processor, the first processor configured to

receive network traffic content,

15   flag the network traffic content,

send the flagged network traffic content to a module, the module

configured to pass unflagged data to a user and prevent flagged data from

being sent to the user, and

send a copy of the network traffic content to a second processor,

20   the second processor configured to determine whether the network traffic

content contains content desired to be detected.

28. The device of claim 27, wherein the first processor is further configured to transmit the network traffic content to a user when it is determined that the network traffic content does not contain the content desired to be detected.

5   29. The device of claim 27, wherein the module comprises a memory, a buffer, or at least a portion of a processor.

30. A method for managing network traffic flow, the method comprising:

receiving network traffic content;

10   flagging the network traffic content;

sending the flagged network traffic content to a module, the module configured to pass unflagged data to a user and prevent flagged data from being sent to the user; and

sending a copy of the network traffic content to a processor, the processor

15   configured to determine whether the network traffic content contains content desired to be detected.

31. The method of claim 30, further comprising transmitting the network traffic content to a user when it is determined that the network traffic content does not

20   contain the content desired to be detected.

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